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IV. The hours for the inspection of vessels shall be from sunrise to sunset, except for vessels in distress.

V. Upon the arrival of a vessel the crew shall be mustered upon deck for inspection and the number verified as given upon the crew list and bills of health. Cabin passengers shall also be inspected and the number verified, if from suspected or infected ports; and a careful inspection and verification of steerage passengers shall always be made.

VI. In suspicious cases occurring among the passengers or crew the clinical thermometer shall be used, and particular care is enjoined in vessels coming from ports or countries suspected of plague. Cases of pneumonia occurring en route must be carefully scrutinized; and when deemed necessary, also the cervical, axillary, and inguinal regions examined for glandular enlargement, in order to exclude this disease.

VII. The written certificates of medical officers of the Navy and U. S. army transport service may be accepted as to the sanitary condition of their vessel, passengers, and crew.

VIII. All vessels, whether foreign or coastwise, shall be subject to inspection throughout the year.

Bills of health.

IX. Bills of health shall be required and issued in every instance upon the consular or supplemental forms for foreign or coastwise ports in accordance with the quarantine laws and regulations.

X. When vessels expect to depart during the night or early morning the bills of health must be applied for the previous afternoon during the customs office hours. The final inspection of the vessel, passengers, and crew shall be made during daylight, as late as possible before sailing, and no further communication allowed with the vessel except by permission of the quarantine officer.

XI. The official dispatch boats, acting under the direct orders of the military governor, and vessels of the Customs Service are exempt from inspection and necessity of obtaining bills of health. In case, however, sickness occurs upon board of said vessels it shall be immediately reported to the quarantine officer.

XII. In ports where a quarantinable disease prevails certificates of health shall be required of all passengers before being allowed to board a vessel, and their baggage shall be labeled "Inspected and passed" or "Disinfected and passed," as may be required.

XIII. The treatment of passengers, vessel, and crew shall be noted briefly under the head of "Remarks" upon the bills of health; time of day the vessels depart; partial or complete disinfection; methods employed; if disinfection is vitiated by after communication with shore or other pertinent facts, and the same signed by the inspecting officer.

XIV. In any doubtful diagnosis or infractions of the Quarantine Rules and Regulations, the vessel shall be detained in quarantine and the facts immediately telegraphed to the chief quarantine officer for instructions.

J. B. HICKEY,

Assistant Adjutant-General.

Vital statistics of Havana for September, 1900.

HEADQUARTERS DIVISION OF CUBA,
Havana, Cuba, October 1, 1900.

SIR: I have the honor to herewith forward report of vital statistics of Havana for the month of September. The general death rate of this

month makes a very favorable comparison with that of any September for the past ten years. The report shows that we had 519 deaths, which gives a rate of 25.68 per 1,000 for the year. This is considerably less than any September for the last ten years, with the exception of last year when we had 496 deaths. This September we had 34 more deaths from yellow fever than we had last September. This, of course, considerably affects our mortality rate, but the greatest item is the fact that in September of last year Havana had just passed through a severe famine for two years, and it is well known that famine and pestilence kill off the old, very young, and the invalids generally, and that for a short time after such calamities the death rate is considerably reduced. The number of this class was greatly reduced for the last four months in 1899. This, of course, must be taken into consideration. The deaths for September, 1899, of children under 1 year of age were 91; for this September they were 124. This shows a large increase in the number of children under 1 year, due to the fact that during the preceding three years the birth rate had dropped to a very low point and most of the children born had died through pestilence and famine. Taking in the items of yellow fever and deaths under 1 year of age, 34 in one case and 33 in the other, our deaths would be reduced by 67, which is the true rate as compared with the last three years.

Tuberculosis shows a steady decrease, the rate last year being 3.92 per 1,000; that for this year being 2.68 per 1,000.

We had 52 deaths from yellow fever. This, compared with the number of deaths for the same months during the past ten years, is much under them. The only years which have a smaller number are 1890, 1898, and 1899. Considering the much larger nonimmune population at present in Havana than was in Havana during the years mentioned, this makes a pretty good showing. The average for September for the past ten years is 72.40, which is very much greater than the number we give this month. Of the cases occurring in September, 64 were Americans and 186 were Spaniards. The number of deaths among Americans was 5, among the Spaniards 37, giving per cent of deaths of 7.81 per cent Americans, and 19.89 per cent Spaniards.

The immigration has been very large and brings us a large quantity of nonimmune material, but the steps taken by the military government for establishing a bureau of immigration, and to put an immigration settlement in a healthy locality outside of the city will greatly obviate this. The idea being to collect all the immigrants and take them right from the shipping to this settlement, without coming near the city of Havana, and then distribute them to their various destinations around the island. This would have more immediate effect than any other measure, I think, that can be taken at present.

The amount of cleaning and sanitary work, as shown by the report, has been very largely increased. I call attention to the very large number of premises, cesspools, etc., examined this month as compared with any former month. Also the large number cleaned and disinfected.

We have now employed a total of 52 inspectors constantly inspecting the condition of houses, and 240 other employees engaged in various ways in attending to the reports of these inspectors. While this department is doing a great deal of very useful work, and I think that the hygienic condition of the city has been and will be considerably improved by work on these lines, the permanency of the work is sharply limited by the constant need of a sewerage system. No one can appreciate this as does the sanitary officer from the daily examination of 600 reports of house inspections, in every one of which the question of dis-

posal of sewage comes up. No permanent improvement can be effected in my opinion until Havana is given some sort of sewerage system, and the sooner this is done the better. It is by far the most pressing need that the sanitary Department has before it at present.

Respectfully,

W. C. GORGAS,

Major and Surgeon, U. S. Army, Chief Sanitary Officer.

THE ADJUTANT-GENERAL, DIVISION OF CUBA.

DEATHS.

Alcoholism	8	Hemorrhage, postpartum ..	1
Aorta, diseases of	4	Icterus	2
Anæmia	3	Liver, cirrhosis of	15
Appendicitis	2	Laryngitis	2
Apoplexy	2	Marasmus	14
Asphyxia	3	Myelitis	1
Atelectasis, pulmonary	1	Measles	1
Albuminuria	1	Meningitis	39
Bronchitis	26	Malaria	19
Brain, arterial embolism of	2	Meningo encephalitis	2
Brain, congestion of	14	Myocarditis	1
Bright's disease, acute	2	Melanuria	1
Beriberi	1	Occlusion, intestinal	2
Cancer	8	Organic dementia	1
Cerebral hemorrhage	4	Edema, pulmonary	1
Cyanosis heomatorum	2	Pneumonia, catarrhal	6
Diabetes	1	Pneumonia, lobar	14
Dysentery	2	Peritonitis, acute	2
Diphtheria	2	Peritonitis, traumatic	2
Difficult labor	1	Pericarditis	1
Delirium tremens	1	Poisoning	2
Esophagia stricture	1	Pulmonary embolism	2
Eclampsia, puerperal	3	Patulous foramen ovale	1
Enteritis	43	Penfigus	1
Endocarditis	3	Rachitis	8
Fever, enteroseptic	1	Pionefrosis	1
Fever, yellow	52	Sclerosis, arterial	26
Fever, puerperal	1	Syphilis	2
Fever, typhoid	7	Septicæmia, puerperal	3
Fever, pernicious malarial	12	Senile dementia	1
Fever, borras	1	Strangulated hernia	1
Fever, bilious	1	Tabies dorsalis	1
Gangrene	1	Tuberculosis	72
Grippe	1	Tetanus	21
Glands	1	Tumor	3
Heart, valvular disease of	10	Umbilical hemorrhage	1
Heart, fatty degeneration of	2	Uæmia	5
Heart, hypertrophy of	5	Wounds, contused	2
Hidrohemia	1	Wounds, knife	1
Hemophilia	1		
Hematoceli fulminant	1		
		Total	519
Death rate per 1,000	25.68		

Deaths in the month of September.

Years.	Deaths.	Death rate per 1,000.	Inhab- itants.	Years.	Deaths.	Death rate per 1,000.	Inhab- itants.
1890	637	36.48	209,448	1896	1,067	56.28	227,448
1891	553	31.08	212,448	1897	1,543	80.28	230,448
1892	578	32.04	215,448	1898	2,397	123.12	233,448
1893	549	30.12	218,448	1899	496	25.08	236,448
1894	583	31.56	221,448	1900	519	25.68	242,055
1895	730	39.00	224,448				

Deaths by nationality.

Nationality.	Male.		Female.		Total.	Nationality.	Male.		Female.		Total.
	White.	Colored.	White.	Colored.			White.	Colored.	White.	Colored.	
Cubans.....	141	46	121	55	363	Germans.....	3	0	0	0	3
Spanish.....	98	0	19	0	117	Danes.....	1	0	0	0	1
Americans.....	9	0	0	1	10	Colombians.....	1	0	0	0	1
Chinese.....	12	0	0	0	12	Santo Domingans.....	0	0	1	0	1
African negroes.....	0	1	0	3	4	Unknown.....	2	0	0	0	2
Mexicans.....	1	0	1	0	2	Total.....	269	47	144	59	519
Venezuelans.....	0	0	1	0	1						
Puerto Ricans.....	1	0	1	0	2						

Deaths by districts.

North.....	52	Puentes Grandes.....	6
South.....	99	Arroyo Naranjo.....	2
East.....	54	Calvario.....	1
West.....	209	Total.....	519
Vedado.....	96		

Deaths in hospitals.

Hospital number 1.....	55	Benefica.....	14
Animas.....	9	Del Rey.....	1
Mercedes.....	17	Quinta de Higiene.....	1
Paula.....	3	Total.....	134
Dependientes.....	18		
Covadonga.....	16		

Deaths by ages.

From 0 to 30 days.....	52	From 50 to 60 years.....	28
From 30 days to 1 year.....	72	From 60 to 70 years.....	27
From 1 to 2 years.....	20	From 70 to 80 years.....	20
From 2 to 5 years.....	18	From 80 to 90 years.....	11
From 5 to 10 years.....	13	From 90 to 100 years.....	4
From 10 to 20 years.....	52	Unknown.....	1
From 20 to 30 years.....	75	Total.....	519
From 30 to 40 years.....	70		
From 40 to 50 years.....	56		

Infectious and contagious diseases reported.

Disease.	White.	Colored.	Total.	Deaths.	Disease.	White.	Colored.	Total.	Deaths.
Tuberculosis.....	45	14	59	72	Diphtheria.....	6	2	8	2
Yellow fever.....	269		269	52	Measles.....	7	1	8	1
Typhoid fever.....	15	1	16	7	Glanders.....	3		3	1
Pernicious malaria fever.....	8	4	12	12	Total.....	359	22	381	150
Puerperal fever.....	6		6	3					

Yellow fever report.

Nationality.	Case.	Deaths.	Discharged.	Remaining.	Nationality.	Cases.	Deaths.	Discharged.	Remaining.
Remaining under treatment September 1, 1900—					New cases occurring in Sep- tember, 1900, 269— <i>Cont'd.</i>				
Spaniards.....	67	5	62	0	Americans	64	5	35	24
Americans	14	0	14	0	Germans	5	2	2	1
Italians.....	3	0	3	0	Cubans	4	1	3	0
Germans	2	0	2	0	British	3	0	1	2
French	2	0	2	0	Swede.....	1	0	1	0
Argentine	1	0	1	0	Swiss.....	1	0	0	1
Total	89	5	84	0	Danes.....	1	1	0	0
New cases occurring in Sep- tember, 1900, 269.					Italians.....	1	0	0	1
Spaniards	186	37	91	58	Greeks.....	1	0	0	1
					Mexicans.....	1	1	0	0
					Venezuelans.....	1	0	1	0
					Grand total.....	358	52	218	88

NOTE.—1 case came from Pinar del Rio, 1 from La Salud of the same province, 1 from Guana-
cacao, and 2 from Marianao.

Yellow fever deaths in the month of August, 1900.

August, 1890, 33; 1891, 65; 1892, 70; 1893, 68; 1894, 76; 1895, 135; 1896, 166;
1897, 56; 1898, 34; 1899, 18; 1900, 52.

Marriages during the month.

White, 117; colored, 8; mixed (white man with negress), 1; total, 126.

Persons married.

Nationality.	White.		Colored.		Total.
	Male.	Female.	Male.	Female.	
Cubans	78	102	8	9	197
Spanish	36	13			49
Americans.....	2	2			4
French.....	1				1
Canadians	1				1
Total.....	118	117	8	9	252

Immigrants.

Spanish	882	Arabians.....	4
Italians.....	62	Porto Ricans.....	3
French.....	24	Coreans.....	3
English.....	19	Russians	1
Chinese.....	17	Norwegians.....	1
Austrians.....	15	Dutch	1
Mexicans.....	14	Syrians.....	1
Turkish.....	10	Santo Domingans.....	1
South Americans.....	6		
Germans	5	Total.....	1, 069

Births recorded during the month.

	Legiti- mate.	Illegiti- mate.	Total.		Legiti- mate.	Illegiti- mate.	Total.
White, male.....	130	35	166	Colored, female.....	4	22	26
White, female.....	133	49	182	Total.....	271	127	398
Colored, male.....	4	20	24				

Apparent excess of deaths over births.....	121
Gained by the native population.....	35

Sanitary work done.

Examinations of premises.....	12,500	Houses cleaned and disinfected.....	947
Written notices.....	4,550	Cart loads of disinfected material re- moved from houses.....	403
Cesspools examined.....	12,500		
Cesspools cleaned.....	688		

Post-mortems.

Race—	Sex—	Nationality—
White..... 8	Male..... 9	Cubans..... 9
Colored..... 5	Female..... 5	Foreigners..... 5
Chinese..... 1	Total..... 14	Total..... 14
Total..... 14		

Interments in cemeteries.

Colon or Catholic.....	461	Arroyo Naranjo.....	2
Baptist.....	51	Total.....	519
Chinese.....	4		
Calvario.....	1		

Weather report.

Day.	Barometer.	Thermometer.	Humidity.	Rainfall.	Day.	Barometer.	Thermometer.	Humidity.	Rainfall.
1.....	29.941	82	86	.06	17.....	29.999	80	74	.00
2.....	29.809	80	86	.37	18.....	30.016	81	79	.00
3.....	29.820	80	84	.00	19.....	30.040	82	78	.00
4.....	29.760	80	82	.31	20.....	30.019	81	78	.00
5.....	29.544	80	89	.19	21.....	30.029	82	84	.00
6.....	29.697	82	85	.00	22.....	29.994	80	80	.00
7.....	29.825	80	93	.70	23.....	29.978	82	74	.00
8.....	29.916	82	81	T	24.....	30.010	79	78	.00
9.....	29.877	80	86	.04	25.....	30.016	81	78	.00
10.....	29.889	80	90	.12	26.....	29.976	78	74	.21
11.....	29.927	76	95	1.46	27.....	29.987	80	66	.00
12.....	29.925	81	92	.01	28.....	30.011	80	69	.00
13.....	29.930	81	84	.00	29.....	29.965	78	72	.00
14.....	29.927	82	81	.06	30.....	29.905	80	80	.72
15.....	29.947	80	76	.00	Total.....				4.25
16.....	29.981	82	66	.00					